



State of Ohio Environmental Protection Agency

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George V. Voinovich
Governor

Donald R. Schregardus
Director

1431350817
E. I. DUPONT DE NEMOURS & CO.
P. E. MORGENTHAUER
BROWER ROAD
NORTH BEND

OH 45052

CERTIFIED MAIL

MARCH 11, 1994

Enclosed are Permit(s) to Operate which allow you to operate the described air contaminant source(s) in the manner indicated in the permit(s). Because these permits contain several conditions and restrictions, I urge you to read them carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Board of Review pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Board of Review within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the board. An appeal may be filed with the Environmental Board of Review at the following address:

Environmental Board of Review
236 East Town Street
Room 300
Columbus, Ohio 43215

If you have any questions, please contact the air pollution control agency to which you submitted your application.

Very truly yours,

Thomas G. Rigo, Manager
Field Operations and Permit Section
Division of Air Pollution Control

US EPA RECORDS CENTER REGION 5



426047





PERMIT TO OPERATE AN AIR CONTAMINANT SOURCE

Date of Issuance 03/11/94

Application No. 1431350817P001

Effective Date 03/11/94

Permit Fee \$000

This document constitutes issuance to:

E. I. DUPONT DE NEMOURS & CO. INC.
BROWER ROAD
MIAMI

OHIO 45052

of a permit to operate for:

SULFURIC ACID PLANT
FORT HILL PLANT

The following terms and conditions are hereby expressly incorporated into this permit to operate:

1. This permit to operate shall be effective until 03/10/97
You will be contacted approximately six months prior to this date regarding the renewal of this permit. If you are not contacted, please write to the appropriate Ohio EPA field office.
2. The above-described source is and shall remain in full compliance with all applicable State and federal laws and regulations and the terms and conditions of this permit.
3. Prior to any modification of this source, as defined in rule 3745-31-01 of the Ohio Administrative Code (OAC), a permit to install must be granted by the Ohio EPA pursuant to OAC Chapter 3745-31.
4. The Director of the Ohio EPA or an authorized representative may, subject to the safety requirements of the permit holder, enter upon the premises of this source at any time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State and federal air pollution laws and regulations and the terms and conditions of this permit.
5. A permit fee in the amount specified above must be remitted within 15 days from the issuance date of this permit.
6. Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA field office must be notified in writing of any transfer of this permit.
7. This source and any associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices in order to minimize air contaminant emissions. Any malfunction of this source or any associated air pollution control system(s) shall be reported immediately to the appropriate Ohio EPA field office in accordance with OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of this source.
8. Any unauthorized or emergency release of an air contaminant from this source which, due to the toxic or hazardous nature of the material, may pose a threat to public health, or otherwise endanger the safety or welfare of the public, shall be reported immediately to the appropriate Ohio EPA field office (during normal business hours) or to the Ohio EPA's Emergency Response Group (1-800-282-9378). (Additional reporting may be required pursuant to the federal Comprehensive Environmental Response, Compensation, and Liability Act.)
9. The appropriate Ohio EPA field office is:
DEPT. OF ENVIRONMENTAL SERVICES AIR QUALITY PROGRAMS
1632 CENTRAL PKWY. CINCINNATI OH, 45210
(513) 651-9437
10. ☒ If this term and condition is checked, the permit holder is subject to the attached special terms and conditions.

OHIO ENVIRONMENTAL PROTECTION AGENCY

Director

APPLICATION NUMBER: 1431350817 P001
FACILITY NAME: E.I. DuPont De Nemours & Co. Inc.
EQUIPMENT DESCRIPTION: Sulfuric Acid Plant
COMPANY ID: Fort Hill Plant

SPECIAL TERMS AND CONDITIONS

1. Applicable State Regulation(s)

The following rules of the Ohio Administrative Code establish the applicable emission limitations and/or control requirements for this source: 3745-15-07, 3745-17-07, 3745-17-11 and 3745-18-37(KK).

(This condition in no way limits the applicability of other requirements of the Ohio Administrative Code to this source.)

2. Allowable Emission Limitation(s)

The emissions from this source shall not exceed the following:

- A. 6.51 pounds of particulate per hour (measured as sulfuric acid mist); and
- B. 25.0 pounds of sulfur dioxide per ton of 100% sulfuric acid produced.

3. Allowable Visible Emissions

Visible emissions from this source shall not exceed 20% opacity for a 6-minute average except for one 6-minute period per hour of not more than 60%.

4. Continuous Sulfur Dioxide Emission Monitoring Requirements and Reporting

This facility shall operate and maintain existing equipment to continuously monitor and record the SO₂ emissions from this source. Such continuous monitoring and recording equipment shall comply with the requirement specified in 40 CFR Part 60.13. This facility must implement a quality assurance/quality control program. The monitoring system must be operated in accordance with the procedures specified in Performance Specification Tests 2 and 3, 40 CFR Part 60, Appendix B.

Sulfur dioxide emission rates shall be calculated using the methods specified in 40 CFR 60.4(b), or an alternate method as specified in 40 CFR 60.94(d).

Anytime work is done on the SO₂ analyzer it should be documented in a logbook dedicated to the monitoring system.

The monitor must record hourly averages for SO₂. These records must be kept on file for 2 years. Excess emission data must be converted to the units of the standard. Any three-hour averages which exceed the SO₂ limit must be reported quarterly. The total operating time of the source and the total operating time of the analyzer while the source was on-line shall be included in the quarterly report. If there are no excess emissions during the calendar quarter then the company shall submit a statement to that effect along with the source and monitor operating times.

Pursuant to 40 CFR Parts 60.7 and 60.13(h), this facility shall submit reports on a quarterly basis to the Ohio EPA field office documenting all instances of sulfur dioxide values in excess of the limitations specified in OAC rule 3745-18 or any limitations specified in the terms and conditions of this permit. These quarterly excess emission reports shall be submitted by February 1, May 1, August 1, and November 1 of each year and shall address the data obtained during previous calendar quarter.

Prepared By: Peter Sturdevant
Date Prepared: December 14, 1993